

# Notice of Allowability

Application No.

10/799,675

Examiner

Henry N. Tran

Applicant(s)

RAO ET AL.

Art Unit

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment received 6/13/07.
2. ☒ The allowed claim(s) is/are 1-4, 6-8, and 10-12; and are renumbered as 1-10.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

*Henry N. Tran*  
**HENRY N. TRAN** 7/15/07  
**PRIMARY EXAMINER**

### **DETAILED ACTION**

1. This office action is in response to applicants' amendments and remarks received on June 13, 2007. Applicants' amendments to the specification, the claims, the Replacement Sheets of drawings have been entered. Claims 1-4, 6-8 and 10-12 remain pending. Applicants' remarks have been fully considered and have overcome rejections recited in the prior Office action mailed on March 13, 2007. The application is ready for allowance with the required changes to the drawings set forth as follows.

#### ***Drawings***

2. The drawings are objected to because typo or clerical errors for the claimed terms found in the Replacement Sheets for Figs. 5 and 8 submitted on June 13, 2007 as follows:

In Fig. 5, step S501: "DISPLAY DATA VECTOR" must be changed to --DISPLAY DATA--;

In Fig. 8, Step S801: "POLARITY DATA VECTOR" must be changed to --POLARITY DATA--; and in step S802: "COUPLONG VOLTAGE" must be changed to --COUPLING VOLTAGES--, see that attached Figs, 5 and 8. This is needed in order to avoid unnecessary correction after the issue of the letter of U.S. patent.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement-drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be

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renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Allowable Subject Matter***

3. Claims 1-4, 6-8, and 10-12 are allowed; and are renumbered as 1-10.
4. The present invention is directed to a timing generator for generating a polarity arrangement control (PAC) signal for driving a flat panel display device. Each of the independent claims 1, 6, 10 and 12 requires a specific circuit arrangement comprising a comparison unit (3213) for comparing the sum of coupling voltages with a predetermined values or with each other as claimed (see figures 4 and 7); whereas, the closest prior art, the Takeda patent (U.S. Patent No. 7,027,025), and the Nishimura patent (U.S. Patent No. 6,628,256) disclose conventional polarity reversal circuits for driving flat panel LCD devices, either singularly or in combination, fails to teach or suggest the claimed invention.

***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Henry N. Tran whose telephone number is 571-272-7760. The examiner can normally be reached on M-F 8:00-4:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H. Shalwala can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Henry Tran/  
Henry N Tran  
Primary Examiner  
Art Unit 2629

HT 

7/15/07

App. No. 10/799,675  
Ex'r H. Tran; Group Art Unit 2629  
Reply to Office Action of March 13, 2007

## REPLACEMENT SHEET

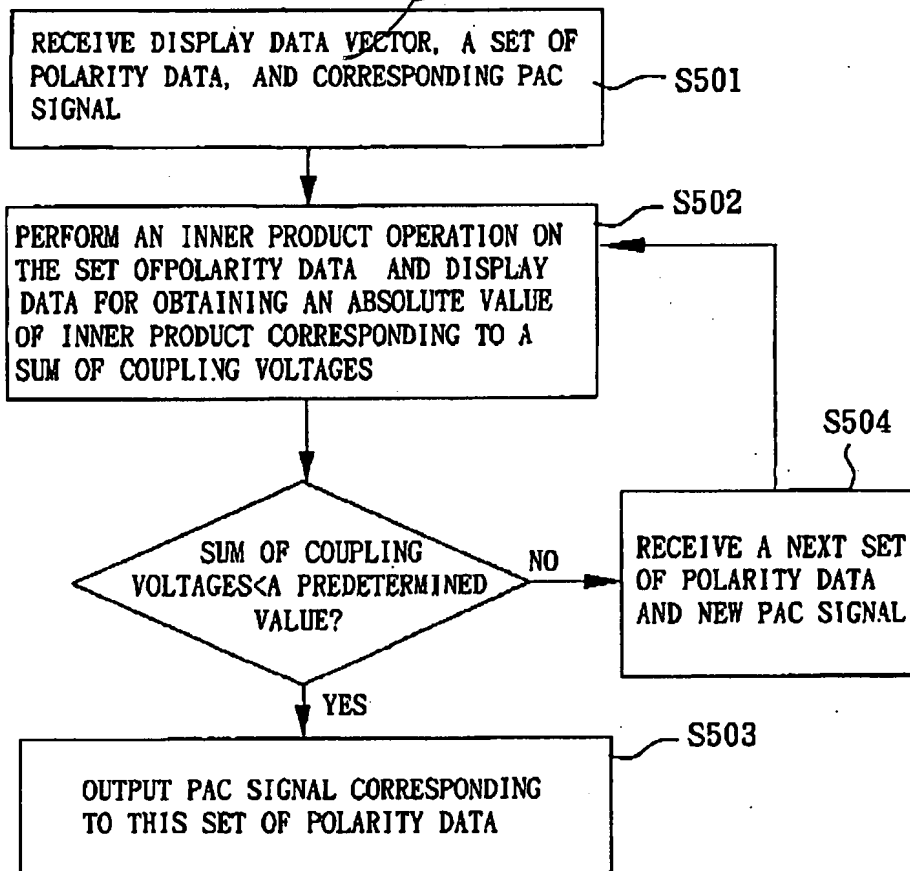


FIG. 5

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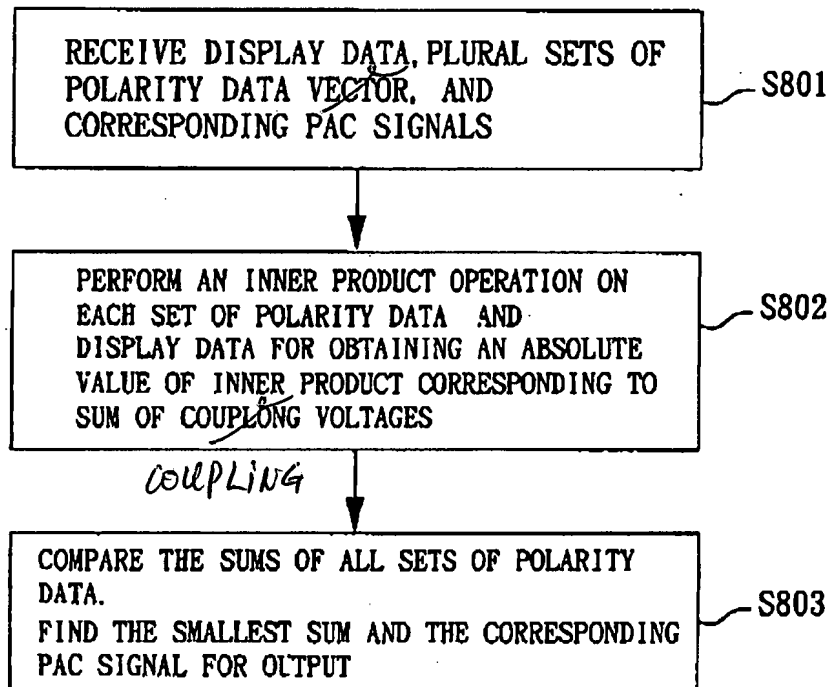


FIG. 8